




REFRACTORY WIRE**Publication number:** JP54131792 (A)**Publication date:** 1979-10-13**Inventor(s):** MORIKAWA TAKETSUNE; INAGAKI YUTAKA; AKIE
TOSHIHIRO**Applicant(s):** SUMITOMO ELECTRIC INDUSTRIES**Classification:****- international:** *H01B7/295; H01B3/44; H01B7/28; H01B7/17; H01B3/44;*
(IPC1-7): H01B7/28**- European:****Application number:** JP19780038474 19780401**Priority number(s):** JP19780038474 19780401**Also published as:** JP54131792 (T1) JP57036688 (B) JP1144688 (C)**Abstract of JP 54131792 (A)**

PURPOSE:To provide a refractory wire which comprises insulating wire cores each of which is formed by extruding and coating polyethylene or the like prepared by blending a specific quantity of a specific inorganic filler on a refractory separator layer on the conductor, whereby the refractory wire can withstand fires even when it is heated in a tightly closed state.; **CONSTITUTION:**On a refractory separator layer 2 provided on a conductor 1 there is extruded and coated polyethylene or ethylene vinyl acetate copolymer resin 3 prepared by blending borates or frits of a melting point of below 800 deg.C in a quantity 1/4 to 3/4 with respect to the quantity of a clay pulverulent body, and aluminum hydroxide in a quantity 1/2 to equivalent with respect to the quantity of a clay pulverulent body, and 30 to 80 parts by weight of an inorganic filler, thereby the form each of insulating wire cores 4.; For instance, a sheath layer 5 of a vinyl chloride composition is extruded and coated on said insulating wire core 4 or a plurality of said insulating wire cores 4 are doubled and twisted, jute and the like are inserted as inclusions 6 in grooves in twist, a keep winding 7 such as a cloth or the like is applied to coat thereon a sheath layer 5 of a vinyl chloride composition, thereby to form a refractory wire.

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